

LISTING OF CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-3, 6-7, 10, 13, 16, and 21 are currently amended.

Claims 1-18 and 20-21 remain pending in this case.

Sub D1
1. (Currently Amended) A storage area network management and configuration system, comprising:

an enterprise network including a plurality of computer systems, the plurality of computer systems including server computer systems and client computer systems, wherein ~~some of the plurality of the server~~ computer systems include a server component, ~~some of the plurality of and the client~~ computer systems include a client component, ~~or both the client component and the server component~~;

a storage enclosure being connected to a server computer system having ~~at least~~ the server component, the storage enclosure having a RAID array of disks; and

a graphical user interface provided by the client component at a client computer system, the graphical user interface provides a graphical representation of the enterprise network and icon links to configuration tools for selecting and structurally defining at the client computer system the RAID array of disks of the storage enclosure connected to the server computer system, ~~the structurally defining including a capability for graphically assigning a RAID level.~~

2. (Currently Amended) A storage area network management and configuration system as recited in claim 1, wherein the ~~graphical representation and icon links to~~ configuration tools comprise:

an array modifier link for selecting a RAID array that is desired to be modified in terms of adjusting a drive selection and RAID level.

3. (Currently Amended) A storage area network management and configuration system, comprising:

an enterprise network including a plurality of computer systems, the plurality of computer systems including server computer systems and client computer systems, wherein ~~some of the plurality of the server~~ computer systems include a server component, ~~some of the plurality of and the client~~ computer systems include a client component, ~~or both the client component and the server component~~;

a storage enclosure being connected to a server computer system having ~~at least~~ the server component; and

a graphical user interface provided by the client component at a client computer system, the graphical user interface provides a graphical representation of the enterprise network and icon links to configuration tools for selecting and structurally defining at the client computer system the storage enclosure connected to the server computer system, the graphical representation of the enterprise network and icon links to configuration tools further includes; an array builder link, the array builder link when selected provides selection tabs to allow array building from an array template or from scratch, the selection tabs being further configured to allow a level assignment for array building.

4. (Previously Amended) A storage area network management and configuration system as recited in claim 3, wherein the array building from an array template, comprises:

hardware being selectable for configuration, the hardware to configure is selected from the storage enclosure or from additional storage enclosures that are connected to the enterprise network;

an array template that contains a RAID configuration scheme that is optimally selected for a particular storage application; and

code for dragging the selected array template, that is in the form of an icon, over the selected hardware or dragging the selected hardware over the selected array template, the dragging is configured to automatically apply the RAID configuration scheme.

5. (Original) A storage area network management and configuration system as recited in claim 4, wherein the RAID configuration scheme includes,

a RAID level;

a number of drives in the selected hardware;

a number of spare drives;

a stripe size; and

an array address.

6. (Currently Amended) A storage area network management and configuration system as recited in claim 1, wherein the ~~graphical representation and icon links to~~ configuration tools comprise:

an enterprise monitor link, when selected the monitor link provides a window wherein monitoring settings can be set.

7. (Currently Amended) A storage area network management and configuration system as recited in claim ~~16~~, wherein the monitoring settings includes,

a failure indicator; and
a disk capacity indicator.

8. (Original) A storage area network management and configuration system as recited in claim 7, wherein the monitoring settings further include,

a temperature indicator for the storage enclosure;
a battery health indicator; and
a power supply health indicator.

9. (Original) A storage area network management and configuration system as recited in claim 6, further comprising:

an enterprise monitor window for providing a quick view of selected storage enclosure parameters.

10. (Currently Amended) A storage area network management and configuration system as recited in claim 1, wherein the ~~graphical representation and icon links to~~ configuration tools comprise:

an event notifier link, when selected provides customizable failure and status notifications.

11. (Original) A storage area network management and configuration system as recited in claim 10, wherein the customizable failure and status notifications include, setting user notification profiles, the profiles include communication information.

12 (Original) A storage area network management and configuration system as recited in claim 11, wherein the communication information includes e-mail information and pager information.

13. (Currently Amended) A storage area network management and configuration system as recited in claim 1, wherein the ~~graphical representation and icon links to~~ configuration tools comprise:

an enterprise icon, when selected allows viewing of the enterprise network that includes the plurality of computer systems and associated storage enclosures that are connected to server computer systems having the server component.

14. (Original) A storage area network management and configuration system as recited in claim 13, wherein the viewing of the enterprise network can be of physical devices or logical devices, and the physical devices and the logical devices can be displayed in one of a tree view and a quick view.

15. (Original) A storage area network management and configuration system as recited in claim 14, further comprising:

a graphical failure representation is provided of selected drives of the storage enclosure, the graphical failure representation being configured to be displayed on a failed drive when the failed drive is in a viewable setting and on the storage enclosure when the failed drive is not in the viewable setting.

16. (Currently Amended) A storage area network management and configuration system as recited in claim 1, wherein the client component provides a user

administrator the management and configuration control to the storage enclosure of the enterprise network.

17. (Original) A storage area network management and configuration system as recited in claim 1, wherein the enterprise network can include a plurality of storage enclosures that are connected to selected computer systems that are part of the enterprise network and that have the server component.

18. (Previously Amended) A storage area network system, comprising:
a server computer system being connected to an enterprise network;
a storage enclosure being connected to the server computer system;
a client computer system having a graphical user interface control for enabling a user to remotely select and structurally define drives of the storage enclosure, the drives of the storage enclosure being an array of drives, the graphical user interface being configured to enable the user to remotely assign a level to the array of drives.

19. (Cancelled)

20. (Previously Amended) A storage area network system as recited in claim 18, wherein the graphical user interface control includes one or more of an array modifier icon link, an enterprise monitor icon link, an array builder icon link, an event notifier icon link, an unconfigured hardware icon link, a templates icon link, and an enterprise icon link.

21. (Currently Amended) A storage area network system, comprising:
a server computer system being connected to an enterprise network;

a storage enclosure being connected to the server computer system; and

C1 a client computer system having a graphical user interface control for enabling a user to remotely select and structurally define an array of drives of the storage enclosure, wherein select and structurally define the array of drives includes assign a level to the array of drives;

wherein the graphical user interface control includes one or more of an array modifier icon link, an enterprise monitor icon link, an array builder icon link, an event notifier icon link, an unconfigured hardware icon link, a templates icon link, and an enterprise icon link.

22-24. (Cancelled)